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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------------------|---------------|----------------------|---------------------|------------------|
| 10/571,872 | 09/20/2006 | Kihak Shim | 5835-000004/US/NP | 6894 |
| 27572 | 7590 | 05/12/2008 | EXAMINER | |
| HARNESS, DICKEY & PIERCE, P.L.C. | | | LIM, SENG HENG | |
| P.O. BOX 828 | | | ART UNIT | PAPER NUMBER |
| BLOOMFIELD HILLS, MI 48303 | | | 3714 | |
| MAIL DATE | DELIVERY MODE | | | |
| 05/12/2008 | PAPER | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/571,872 | SHIM, KIHAK | |
| | Examiner | Art Unit | |
| | SENG H. LIM | 3714 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 19 March 2008.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4,6-8,10-14 and 24-26 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-4,6-8,10-14 and 24-26 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 1/29/2008.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application

6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, 6-8, 10-14 & 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kato et al (US 2003/0132665 A1) taken with Gazzard (US 2004/0037239 A1).

Kato et al discloses a cellular phone comprising a program memory unit for storing a complier (Fig.2:22,23,24); a parameter storage unit for use in performing a data communication (claim 14); a key input unit including at least one key button (Fig.1); an electronic compass module incorporating a magnetic sensor for outputting a sensor output signal proportional to magnitude of the external geomagnetic field which varies with an upward, a downward, a leftward and a rightward motion of the mobile communication terminal, for outputting a horizontal or a vertical rotation angle value [0022]; a microprocessor (Fig.2:21); a liquid crystal display unit (Fig.2:14) and a speaker (Fig.2:13)

Kato et al does not specifically disclose the cellular phone comprising a wireless Internet browser using WAP, a subscriber identity module (SIM) and ITU defining the communication systems; however, the Office takes Official Notice that providing a wireless Internet browser using WAP, SIM and ITU defining the communication systems is notoriously well known and practiced in the cellular phone industry as evidence by Gazzard and would have been motivated to do so to provide users with more features and reasons for using the device.

Kato et al discloses the module to include an AD converter connected to an X-axis magnetic sensor and a Y-axis magnetic sensor of the magnetic sensor unit. The AD converter converts analog output values of the X-axis magnetic sensor and the Y-axis sensor to digital values and supplies the digital values to the CPU [0079]. Angels for a circle is elementarily well known to be between 0-360 degrees. Angle 450 degrees is the equivalent to 90 degrees, when outputted to the user, it will still show angle 90 degrees. Although Kato et al does not expressly disclose this, it is an obvious matter of design choice to compensate or convert angle reading 450 degrees to 90 degrees to the user, since applicant has not disclosed that it solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with both method of displaying.

Kato et al do not disclose supplying a constant DC voltage to the magnetic sensor; however, the Office takes Official Notice that supplying DC voltage to a cellular phone from an automobile is well known and practiced in the art. At the time of invention a person of ordinary skill in the art would have found it obvious to supply DC voltage to power the cellular phone and would have been motivated to do so to allowing usage of the device in an automobile.

Examiner's Note: Examiner has cited particular paragraphs, figures, columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Response to Arguments

Applicant's arguments filed 3/19/2008 have been fully considered but they are not persuasive. Applicant argues that Kato et al does not disclose compensation processor. The Office disagrees. Angle for a circle is elementarily well known to be between 0-360 degrees. Angle 450 degrees is the equivalent to 90 degrees, when outputted to the user, it will still show angle of 90 degrees. Although Kato et al does not expressly disclose this, it is an obvious matter of design choice to compensate or convert angle reading 450 degrees to 90 degrees to the user, since applicant has not disclosed that it solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with both method of displaying.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., rotational angle) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SENG H. LIM whose telephone number is (571)270-3301. The examiner can normally be reached on 9:30-6:00, Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Xuan Thai can be reached on 571-272-7147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. H. L./

Examiner, Art Unit 3714

/XUAN M. THAI/

Supervisory Patent Examiner, Art Unit 3714